A Smart, Powerful Partner to
Boost Your Collaboration

SHARP
Be Original.

PN-50TC1
PN-40TC1
Touchscreen LCD Monitor

BIG PAD
Maximise the Value of Small Meetings to Achieve a Big Change

Sharp’s BIG PAD series is designed to enhance communication and productivity. Reinforcing the lineup are 40- and 50-inch models that deliver fast, collaborative benefits in both classrooms and meeting rooms with a choice of sizes to meet your needs. In the business world, the PN-50TC1/40TC1 is ideal for increasingly popular “huddle space” meetings in smaller areas for two to six people. Making the most of huddle spaces can optimise communication and accelerate business to a whole new level.

Get the Most Out of Your Face-to-Face Interactions

There are times in every day when you need to have some quick face time with a few of your colleagues or clients. It could be for a project update, a brainstorming session, or a business meeting. Every one of these impromptu gatherings can be transformed into a genuinely productive and creative session. All it takes is a little help from the PN-50TC1/40TC1.

Huddle Spaces

With the PN-50TC1/40TC1, everyone can engage meaningfully in such small-group meetings by sharing onscreen information. Intuitive touchscreen operation, whether with a finger or pen, facilitates active collaborations and a lively exchange of opinions. And with the optional wireless board, you can also have BYOD meetings. Speedy, productive collaborations become a reality.

Meeting Booths

Set up a PN-50TC1/40TC1 in your company’s visitor meeting space to transform your interactions with clients and other visitors. Touchscreen functionality helps to bring greater focus and productivity to your interactions. And the PN-50TC1/40TC1 never has to sit idly by. When not being used in a meeting, it can be used as appealing touchscreen signage displaying corporate ads, notices, and other information.

Learning Areas

In both business and educational settings, the PN-50TC1/40TC1 enhances collaborations and group learning sessions. SHARP Pen Software works with the PN-50TC1/40TC1 in both landscape and portrait orientations. This expands the product’s range of usage to cover a variety of settings. For example, the PN-50TC1/40TC1 can work as a sophisticated bulletin board or flip chart. You can import data to display, write on it freely by hand, and save your handwritten notes digitally for later reuse.

Plug into Convenience and Collaboration

As well as coming standard-equipped with a range of interface terminals such as HDMI™ and DisplayPort™ 1.2, the PN-50TC1/40TC1 includes an expansion slot compatible with the Intel® Mini Open Pluggable Specification (Mini OPS). This slot supports expansion with optional wireless or HDBaseT™ receiver board. By making more effective use of the PN-50TC1/40TC1, you get greater convenience and an expanded range of functionality.

Wireless Board (PN-ZB03W)

Allows up to 10 devices including Mac or Windows® computers, smartphones, and tablets to be connected simultaneously to the PN-50TC1/40TC1 without any cable hassles. Input from four devices can be displayed in a 2 × 2 split screen. Enabling such wireless collaboration is a great way to enhance productivity in work or educational environments.

HDBaseT Receiver Board (PN-ZB03H)

Enables reception of HDMI video/audio and control signals sent via a single LAN cable* from up to 100 metres away. Compatibility with HDBaseT 2.0 allows you to remotely operate a PC from a USB device connected to this board**.

*1 Category 6 or higher shielded cable (available commercially)
**2 Requires an HDBaseT 2.0-compatible transmitter (available commercially). Not all USB devices are supported.
Intuitive Touch Signage

With its 10-point multi-touch functionality and high-sensitivity capacitive touch technology, the PN-50TC1/40TC1 shines in a variety of roles and locations. Whether installed face-up or in a landscape or portrait orientation, it excels as an interactive information interface. Not only is it a powerful meeting tool, it can also be used to engage and inform people in stores, museums, showrooms, and other public spaces.

The PN-50TC1/40TC1’s versatile touch signage capabilities make it a true value-adder.

User-Friendly SHARP Pen Software

The easy-to-launch SHARP Pen Software user interface incorporates a menu comprising smartly arranged icons that provide easy access to pen settings and other useful functions. In overlay mode, you can write onscreen annotations or graphics directly onto photos, videos, PDFs, and common Microsoft® files. Text and graphics written on the PN-50TC1/40TC1 can be stored in USB memory* or sent directly via e-mail to selected recipients. The software links smoothly with the PowerPoint® application, enabling you to perform various control operations during slideshow presentations. Supporting both landscape and portrait set-ups, it gives you more flexibility for use in conference rooms and classrooms.

* Saved as PDF, BMP, JPEG, PNG, or SWSX files.

SHARP Touch Viewing Software

Original Sharp software lets you manipulate a variety of different files on the screen without actually opening the respective applications. The files* are displayed onscreen as “sheets,” which can be stored in onscreen virtual “drawers.” This software brings convenience and originality to business meetings, in-store installations, and more.

SHARP Display Connect

This software supports multifaceted wireless communication. Content on the PN-50TC1/40TC1 screen, including handwritten notes, can be shared simultaneously with up to 50 devices. Also, files can be exchanged between devices connected to the PN-50TC1/40TC1.

CRESTRON CONNECTED™

Compatibility with Crestron Connected software enables you to remotely control and manage each monitor via a LAN network.

Other Key Features

- Mount for web camera
- 16-hour daily operation
- Bundled stand for desktop/landscape set-up (PN-40TC1)

SHARP e-Signage S (option)

Optional SHARP e-Signage S software provides total support to satisfy individual user needs in creating, scheduling, distributing, and managing a wide range of digital signage programs for Sharp LCD monitors. This versatile signage software lets you create/edit signage programs easily via simple drag-and-drop operation. You can lay out diverse content intuitively, create display schedules, and monitor operational status. Sharp offers an array of solution packages to match a variety of signage needs, from a single standalone display to a network of up to 1,000 monitors.

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**Specifications**

**Model Name**
- PN-50TC1
- PN-40TC1

**Installation**
- Landscape / Portrait / Face-up
- 50-inch-class widescreen (49 1/4-inch [125.7 cm] diagonal) TFT LCD
- 40-inch-class widescreen (39 1/4-inch [100.3 cm] diagonal) TFT LCD

**LCD Panel**
- Max. Resolution: 1,920 x 1,080 pixels
- Max. Display Colours (approx.): 16.77 million colours
- Pixel Pitch (H x V): 0.571 x 0.571 mm
- Max. Brightness (average): 400 cd/m²
- Contrast Ratio: 5,000 : 1
- Viewing Angle (H/V): 178°/178° (CR > 10)
- Active Screen Area (W x H) (approx.): 1,095 x 614.4 mm (43 1/2” x 24 1/4”)
- Response Time: 9.5 ms (grey to grey, avg.)
- Backlight: LED, edge lit

**Touchscreen**
- Touch Technology: Capacitive touch
- PC Connection Port: USB (2.0 compliant) (Type B) x 1
- Power Supply: Supplied from main unit
- Multi Touch: 10 points

**Computer Input**
- Projection Glass
  - Thickness: approx. 3.2 mm*1
  - Shock resistance: 130 cm*1
- PC Connection Port: DisplayPort (HDCP compatible, PC signal compatible), DisplayPort (HDCP compatible, PC signal compatible), x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C x 1
- Synchronisation: Horizontal/vertical separation (TTL: positive/negative)
- USB cable to the computer. If connected via a USB hub, the PC may not recognise the PN-50TC1/40TC1 correctly and operation may be unstable.

**Input/Output Terminals**
- LAN port (10Base-T/100Base-TX) x 1
- USB Hub Function: USB 2.0 (Type A) x 2
- Expansion Slot: 12 V, 2.5 A (power supplied when expanding the functions with an optional board)

**Power Supply**
- VESA (4 points), 400 x 200 mm, M6 screw
- Power Supply: 100 V – 240 V AC, 50/60 Hz*5
- Power Consumption: 105 W
- VESA (4 points), 200 x 200 mm, M6 screw
- Power Supply Consumption: 89 W
- Operating Temperature: 5°C to 35°C
- Operating Humidity: 20% to 80% RH (no condensation)
- Dimensions (W x D x H) (approx.): 615 x 65 x 273 mm (24 1/8” x 2 1/2” x 10 3/4”)
- Weight (approx.): 20 kg (44.1 lbs)

**Input Terminals**
- Main Accessories: Power cord, remote control unit, battery (AAA size) x 2, cable clamp x 3, CD-ROM, SHARP Display Connect license x 1, setup manual, touch pen, pen tray, camera mount, camera screw, logo sticker, vertical sticker (operation panel), desk stand (for PN-40TC1)

**Computer Input**
- Expansion Slot: 12 V, 2.5 A (power supplied when expanding the functions with an optional board)

**Input/Output Terminals**
- LAN port (10Base-T/100Base-TX) x 1
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**Dimensions**

**PN-50TC1**

**PN-40TC1**

**Input/Output Terminals**

**[standard]**

**[Side]**
- DisplayPort input
- PC/AV input (HDMI)
- USB
- Touch panel
- Audio input
- PC/AV input (HDMI)
- RS-232C input

**[option]**
- PN-ZB03W
  - USB (for wireless adapter)
  - LAN port
- PN-ZB03H
  - USB
  - HD BaseT
  - LAN port

**System Requirements**

**PC**
- Capacitive input computer with USB 3.0 port and screen resolution of 1,920 x 1,080 (CD-ROM drive required for installation)

**OS**
- Windows® 7 (32-bit/64-bit), Windows® 8.1 (32-bit/64-bit), Windows® 10 (32-bit/64-bit)

**CPU**
- Intel® Core™ i7-3517UE 1.7 GHz or higher recommended
- Intel® Core™ i7-3517UE 1.6 GHz or higher
- Intel® Core™ i7-3517UE 1.7 GHz or higher recommended

**Memory**
- 2 GB or more

**Hard disk**
- 5 GB or more

**Note**
- Use touch panel, connect the bundled USB cable to the computer. The touch panel operates with the standard driver of each OS.

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